100

FIG 1

FIG 2

300

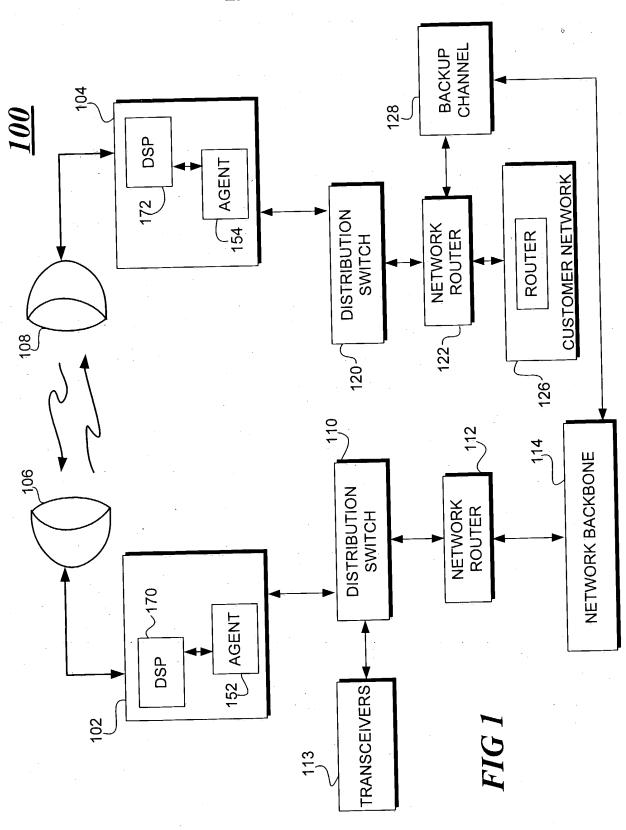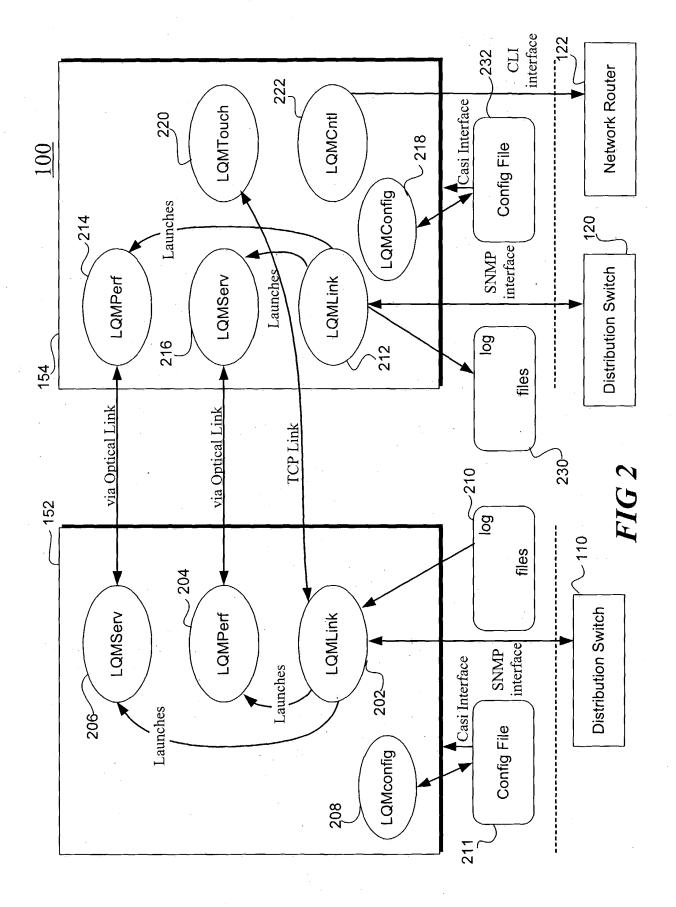| |
|---|
| Initiate link quality control module, link quality link proxy module, and link quality link modules for each transceiver ~302 |

↓

Transmit customer traffic via primary channel, analyze and integrate analog (optical) and digital (router) information ~304

↓

Detect packet errors in excess of threshold value or APD count value below threshold value ~306

↓

Detect "down" file, disable port, and route customer traffic to backup channel ~308

↓

Transmit test traffic via primary channel, detect packet errors below threshold value and APD count value above threshold value ~310

↓

Dectect "up" file, enable port, and route customer traffic to primary channel ~312

FIG 3